

### Abstract of the Disclosure

A method is disclosed which produces acrylic acid in a high yield as maintaining the conditions for purifying acrylic acid in constant ranges and preventing the acrylic acid from polymerization. By using a reactor which has first reaction zone and second reaction zone formed of different reaction tubes, propylene concentration adjusting in the range of 7 - 15 vol. % and water concentration adjusting in the range of 0 - 10 vol. % are introduced thereto thereby obtaining an acrylic acid-containing gas. Then the gas is introduced to an acrylic acid absorption column to adjust water concentration in the range of 1 - 45 wt. %, thereby preventing from polymerization.